Section I - Product and Manufacturer Information

Manufactured by: Randall Industries, LLC
4565 Hemlock Road
Cherry Tree, PA 15724

Section II - Hazardous Ingredients

Ingredient(s):
- Phosphoric Acid
- Hydrofluoric Acid
- Ethylene Glycol Monobutyl Ether

CAS No:
- 7664-38-2
- 7664-39-3
- 111-76-2

Section III - Physical / Chemical Data

Solubility in Water: 100% Complete
Specific Gravity: 1.1 Water = 1
Vapor Pressure: N/D mm Hg
Vapor Density: N/D
Evaporation Rate: Butyl Acetate = 1

Section IV - Fire And Explosion Hazards

Flash Point: None to IBP
Extinguishing Media: Use water fog, foam, dry chemical or Carbon Dioxide.

Special Fire Fighting Procedures: Wear an approved self-contained breathing apparatus and protective clothing.

Fire / Explosive Hazards: Can react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which is combustible.

Section V - Reactivity Data

Hazardous Polymerization: □ May occur □ Will not occur
Incompatibility: Alkali (caustic) materials.

Section VI - Health Hazard Data

Stability: ☑ Stable □ Unstable

Health Hazards:
- Eyes & Skin: may cause irreversible damage.
- Inhalation: may cause damage to nasal & respiratory passages.
- Ingestion: may cause damage to mucous membranes and deep tissues.

Carcinogenicity: □ NTP □ IARC Monographs □ OSHA Regulated □ Not a carcinogen

Signs and Symptoms of Exposure:
- Irritating to eyes & skin. Burning/redness/irritation.
- Inhalation: May cause vomiting, headache and other medical problems.
- Ingestion: May cause coughing, sneezing, and upper respiratory irritation.

Conditions Generally Aggravated by Exposure: Pre-existing skin disorders may be aggravated with contact.

Emergency and First Aid Procedures:
- Eyes & Skin: Flush with water for 15 minutes. Seek medical attention immediately.
- Ingestion: Do not induce vomiting. Drink water, milk of magnesia. Contact physician immediately.
- Inhalation: Move to fresh air. Contact physician immediately.

Section VII - Precautions for Safe Handling and Use

If Material is Released or Spilled:
- Small spill: cover contaminated area with sodium bicarbonate or soda ash and add water if necessary to form a slurry. Large spill: dike to prevent spreading

Wastes Disposal Method: Dispose of in accordance with federal, state, and local regulations.

Precautions for Handling and Storing: Store between 40 and 120 degrees F.

Other Precautions: Keep Out Of Reach Of Children.

Section VIII - Control Measures

Respiratory Protection: Chemical cartridge respirator if exposure limits are exceeded.
Ventilation: Adequate ventilation

Protective Gloves: Rubber Gloves
Eye Protection: Appropriate protective eyewear.

Other Protective Equipment: Impervious clothing and boots.

Work/Hygienic Practices: Wash hands before eating. Launder contaminated clothing before re-use.